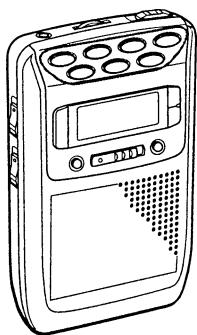




CR-DS505 YZ1(S), YH1(S)
YJ1(S), YL1(S)
CR-D500 YU(S), YZ1(S), YH1(S),
YJ1(S), YL1(S)



SERVICE MANUAL

RADIO RECEIVER

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
CR-DS505 YZ1(S) (S/M Code No. 09-004-343-7T1)
CR-D500 YZ1(S) (S/M Code No. 09-004-343-6T1)
CR-DS500 YH1(S), YJ1(S), YL1(S) / D500 YU(S), YH1(S), YL1(S), YJ1(S)
(S/M Code No. 09-004-343-6T2).

aiwa
S/M Code No. 09-004-343-6R1

REVISION
DATA

SPECIFICATIONS

DS505 MODEL

Frequency range:	
AM STEP set to 9 kHz	AM 531 – 1,602 kHz (9 kHz steps) FM 87.5 – 108 MHz (50 kHz steps)
AM STEP set to 10 kHz	AM 530 – 1,710 kHz (10 kHz steps) FM 87.5 – 108.1 MHz (200 kHz steps)
Speaker:	Diameter 36 mm, 8 ohms
Maximum output:	65 mW (EIAJ 8 ohms) 4 mW + 4 mW (EIAJ 32 ohms)
Power sources:	DC 3 V using two R03 (size AAA) dry cell batteries
Maximum outside dimensions:	60.2 (W) x 98 (H) x 21.5 (D) mm 2 3/8 x 3 7/8 x 7/8 in.
Weight:	Approx. 76 g (2.7 oz.) excluding batteries

- Design and specifications are subject to change without notice.

D500 MODEL

Frequency range:	
AM STEP set to 9 kHz	AM 531 – 1,602 kHz (9 kHz steps) FM 87.5 – 108 MHz (50 kHz steps)
AM STEP set to 10 kHz	AM 530 – 1,710 kHz (10 kHz steps) FM 87.5 – 108.1 MHz (200 kHz steps)
Maximum output:	4 mW + 4 mW (EIAJ 32 ohms)
Power sources:	DC 3 V using two R03 (size AAA) dry cell batteries
Maximum outside dimensions:	60.2 (W) x 98 (H) x 21.5 (D) mm 2 3/8 x 3 7/8 x 7/8 in.
Weight:	Approx. 76 g (2.7 oz.) excluding batteries
Supplied headphones HP-M035	Type: In-ear type Impedance: 32 ohms Sensitivity: 95 dB/mW
Recommended commercially available headphones	Type: In-ear type Impedance: 32 ohms Sensitivity: 102 dB/mW or less

- Design and specifications are subject to change without notice.

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-RC4-902-010	IB,YHJ(ECC)C<DS505YH1(S), DS505YJ1(S)>	
1	8A-RC5-902-010	IB,YHJ(ECC)C<D500YH1(S), D500YJ1(S)>	
1	8A-RC5-904-010	IB,YL(3L)C<D500YL1(S)>	
1	8A-RC4-904-010	IB,YL(3L)C<DS505YL1(S)>	
1	8A-RC5-901-010	IB,YU(3L)C<D500YU(S)>	
1	8A-RC4-905-010	IB,YZ(EGF)C<DS505YZ1(S)>	
1	8A-RC5-905-010	IB,YZ(EGF)C<D500YZ1(S)>	
1	8A-RC4-907-010	IB,YZ(PHNCZ)C<DS505YZ1(S)>	
1	8A-RC5-907-010	IB,YZ(PHNCZ)C<D500YZ1(S)>	
1	8A-RC5-906-010	IB,YZ(SID)C<D500YZ1(S)>	
1	8A-RC4-906-010	IB,YZ(SID)C<DS505YZ1(S)>	
2	87-B30-124-110	HEADPHONE,HP-M028<D500YU(S)>	
2	87-B30-240-010	HEADPHONE,HP-M035<DS505YZ1(S), DS505YH1(S),DS505YJ1(S),DS505YL1(S)>	
2	87-B30-240-010	HEADPHONE,HP-M035<D500YZ1(S), D500YH1(S),D500YJ1(S),D500YL1(S)>	

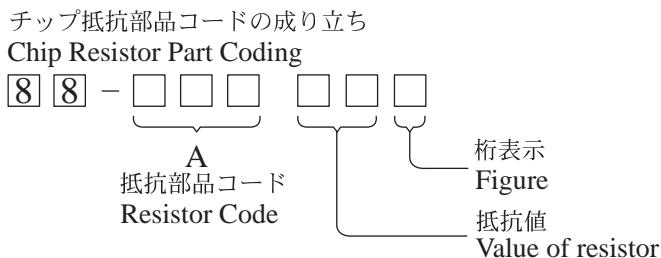
ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C422	87-010-420-080	CAP,E 10-6.3 5L	
	87-A21-407-040	C-IC,TA2104BFN		C423	87-010-196-080	CHIP CAPACITOR,0.1-25	
	87-017-642-080	IC,CXA1622M		C424	87-010-482-080	CAP,E 220-4 M 12.5L SRA	
	87-A21-605-010	C-IC,TC9318FA-056		C451	87-A11-706-080	C-CAP,S 0.015-50 Z F	
	87-A20-755-080	C-IC,AK93C45AF		C452	87-012-141-080	C-CAP, 0.22-16 Z F	
				C453	87-010-196-080	CHIP CAPACITOR,0.1-25	
TRANSISTOR				C455	87-010-183-080	C-CAP,S 2700P-50 B	
	89-341-165-080	CHIP TRANSISTOR 2SC4116GR		C456	87-010-031-080	CAP,E 3.3-25 M BK	
	89-115-884-080	CHIP -TRANSISTER 2SA1588Y		C457	87-010-196-080	CHIP CAPACITOR,0.1-25	
	89-342-153-080	C-TR,2SC42150		C458	87-010-588-010	ELECT 220-2	
	87-026-467-080	TR,HN1C01F (0.3W)		CF101	87-A91-162-010	FLTR,PFS 450 A7	
	89-508-804-080	CHIP FET 2SK880Y		CF102	87-A90-991-010	FLTR,SFE10.7 MS239-A	
DIODE				CF103	87-A91-094-010	FLTR,CDA10.7 MG80A	
				J401	87-A60-760-010	JACK,3.5 ST W/O SW	
				L101	8A-RC4-603-010	BAR-ANT,MW	
MAIN C.B				L102	8A-RC4-601-010	COIL,FM RF	
	87-A40-462-080	C-VARI-CAP,SVC 347(S)		L103	8A-RC4-602-010	COIL,FM OSC	
	87-017-925-070	C-VARI-CAP,KV1460		L104	87-003-152-080	COIL, 100UH	
	87-020-465-080	DIODE,1SS133 (110MA)		L401	87-003-383-010	COIL,1UH-S	
	87-001-553-080	C-DIODE 1SS322		L402	87-003-383-010	COIL,1UH-S<EXCEPT D500YU(S)>	
				L402	87-003-147-080	COIL,22UH J LAL02<D500YU(S)>	
				L403	87-003-359-080	C-COIL,1608 0.47UH K<D500YU(S)>	
				L451	87-003-383-010	COIL,1UH-S	
	BPF101	87-A90-749-010	FLTR,GFMB5	S101	87-A91-152-010	SW,SL 1-1-2 SSSS212-11-A	
C101	87-010-570-080	C-CAP,S 220P-50 UJ		S401	87-036-127-010	SLIDE SWITCH	
C102	87-010-197-080	CAP, CHIP 0.01 DM		S402	87-A91-152-010	SW,SL 1-1-2 SSSS212-11-A	
C103	87-010-196-080	CHIP CAPACITOR,0.1-25		SP401	84-TM1-635-010	SP, DIA36	
C104	87-010-574-080	C-CAP,S 470P-50 UJ		T101	87-A91-366-010	IFT,MW 5PLG	
C105	87-010-164-080	C-CAP,S 68P-50 J SL		T301	8A-RC4-604-010	COIL,D-D CON	
C107	87-010-333-080	S-CHIP UJ 10P		TC101	87-A91-392-010	TRIMMER,20P	
C108	87-010-197-080	CAP, CHIP 0.01 DM		VC101	87-A40-462-040	C-VARI-CAP,SVC347(S)	
C109	87-010-575-080	C-CAP,S 560P-50 UJ		VC102	87-017-925-070	C-VARI CAP,KV1460	
C110	87-010-197-080	CAP, CHIP 0.01 DM		VC103	87-017-925-070	C-VARI CAP,KV1460	
C111	87-010-151-080	C-CAP,S 7P-50 D CH GEM		VR401	87-A91-735-010	VR,RTRY 50KX1 1 H RK14J11A	
C112	87-010-197-080	CAP, CHIP 0.01 DM					
C114	87-010-197-080	CAP, CHIP 0.01 DM					
C115	87-010-334-080	C-CAP,S 12P-50 UJ					
C116	87-010-573-080	C-CAP,S 390P-50 UJ					
				FRONT C.B			
C117	87-010-334-080	C-CAP,S 12P-50 UJ		C501	87-012-286-080	CAP, U 0.01-25	
C118	87-010-572-080	C-CAP,S 330P-50 UJ		C502	87-010-504-080	CAP, CHIP TANTALUM 0.47-25	
C120	87-010-805-080	CAP, S 1-16		C503	87-010-831-080	C-CAP,U,0.1-16F	
C121	87-010-196-080	CHIP CAPACITOR,0.1-25		C504	87-016-436-080	C-CAP,TN 47-4(B2)	
C122	87-010-805-080	CAP, S 1-16		C506	87-012-172-080	C-CAP,U 10P-50 D	
C123	87-010-196-080	CHIP CAPACITOR,0.1-25		C507	87-012-172-080	C-CAP,U 10P-50 D	
C124	87-010-805-080	CAP, S 1-16		C508	87-010-831-080	C-CAP,U,0.1-16F	
C125	87-010-570-080	C-CAP,S 220P-50 UJ		C509	87-010-831-080	C-CAP,U,0.1-16F	
C126	87-016-526-080	C-CAP,S 0.47-16 BK		C510	87-010-831-080	C-CAP,U,0.1-16F	
C127	87-010-419-080	CAP,E 4.7-16 M 5L SRE		C511	87-010-831-080	C-CAP,U,0.1-16F	
C128	87-010-196-080	CHIP CAPACITOR,0.1-25		C513	87-012-282-080	C-CAP,U 4700P-50 K B	
C129	87-010-482-080	CAP,E 220-4 M 12.5L SRA		LCD101	8A-RC4-607-010	LCD,ARC-4	
C130	87-010-166-080	C-CAP,S 100P-50 J SL		LED501	87-A40-845-080	C-LED,PY1333F YG	
C131	87-010-197-080	CAP, CHIP 0.01 DM		S501	87-A91-732-010	SW,SL 2-2-2 ALZ	
C132	87-010-197-080	CAP, CHIP 0.01 DM		S502	87-A90-871-080	C-SW, SL 1-1-2	
C133	87-010-169-080	C-CAP,S 180P-50 J SL		S516	87-A90-871-080	C-SW, SL 1-1-2	
C136	87-012-274-080	C-CAP,U 18P-50 J UJ		X501	87-A70-187-010	VIB,XTAL 75KHZ CFV206	
C301	87-010-341-080	C-CAP,S47P-50UJ					
C302	87-010-501-080	E/CAP GAS 47-4					
C303	87-010-188-080	CAP,CHIP 6800P					
C304	87-010-805-080	CAP, S 1-16					
C401	87-A11-706-080	C-CAP,S 0.015-50 Z F					
C402	87-012-141-080	C-CAP,S 0.22-16 Z F C2012					
C403	87-010-196-080	CHIP CAPACITOR,0.1-25					
C405	87-010-183-080	C-CAP,S 2700P-50 B					
C406	87-010-031-080	CAP,E 3.3-25 M BK					
C407	87-010-196-080	CHIP CAPACITOR,0.1-25					
C408	87-010-588-010	ELECT 220-2					
C420	87-010-186-080	C-CAP,S 4700P-50 K B					
C421	87-010-420-080	CAP,E 10-6.3 5L					

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

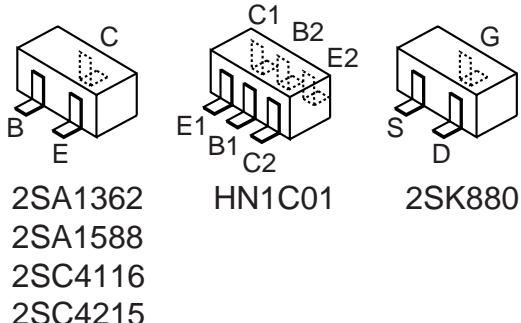
○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗 Chip resistor

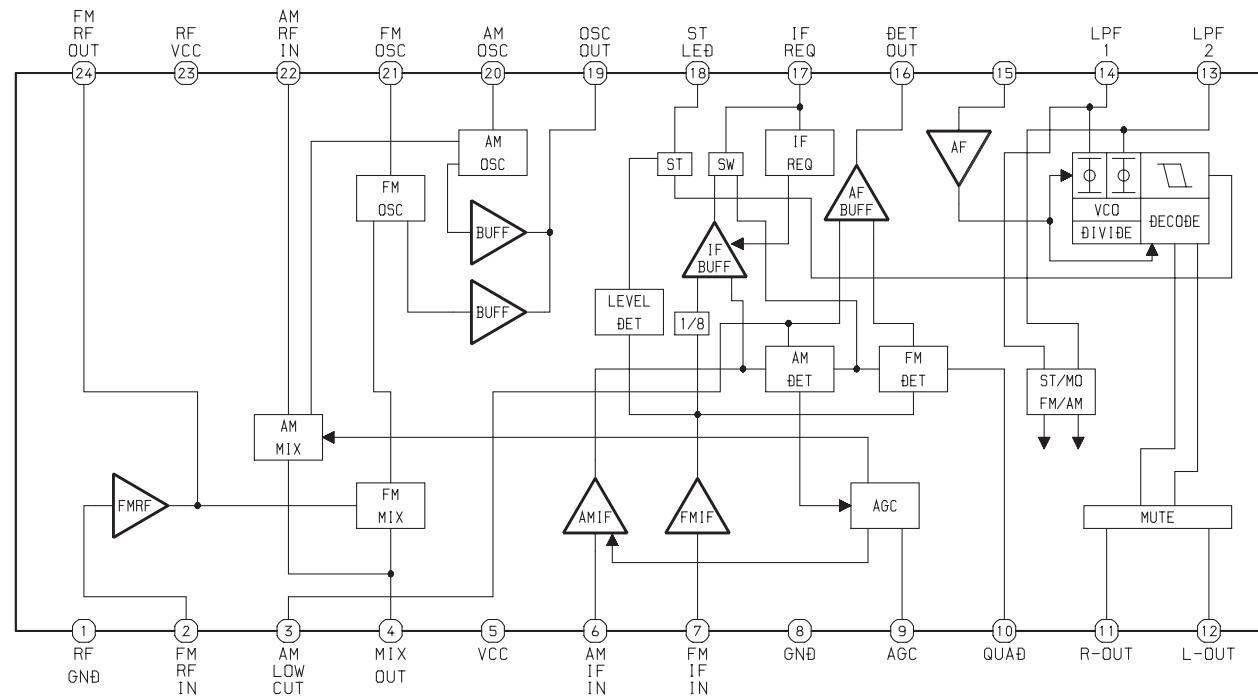
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)			抵抗コード Resistor Code : A
				外形／Form	L	W	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35 104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45 108
1/10W	2125	± 5%	CJ		2	1.25	0.45 118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55 128

TRANSISTOR ILLUSTRATION

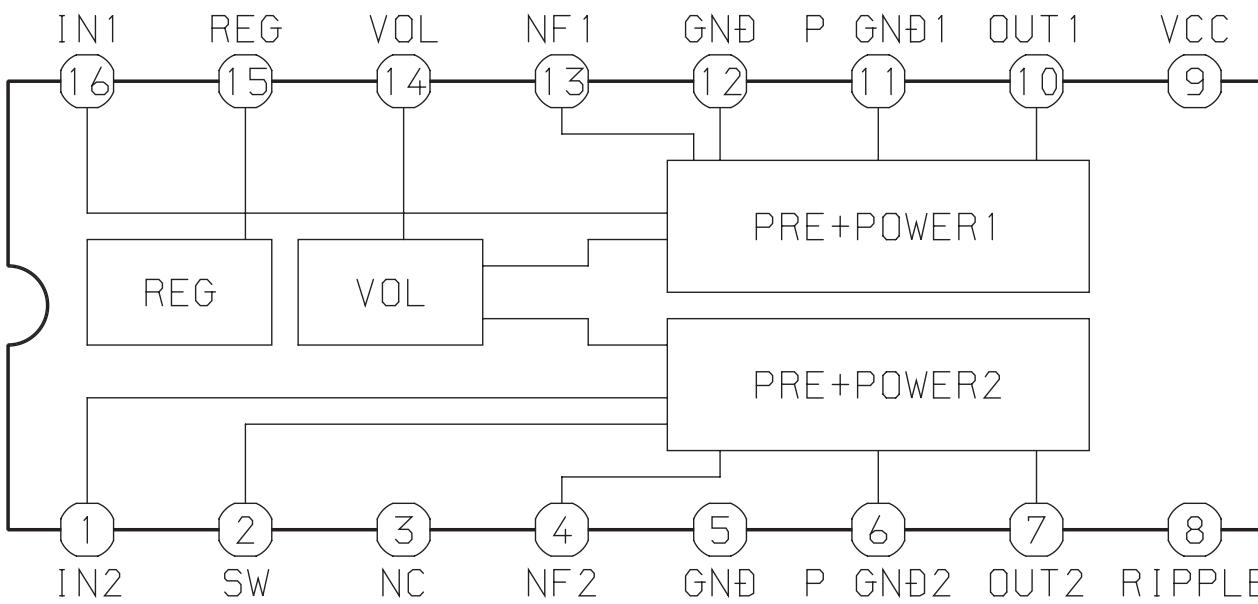


IC BLOCK DIAGRAM

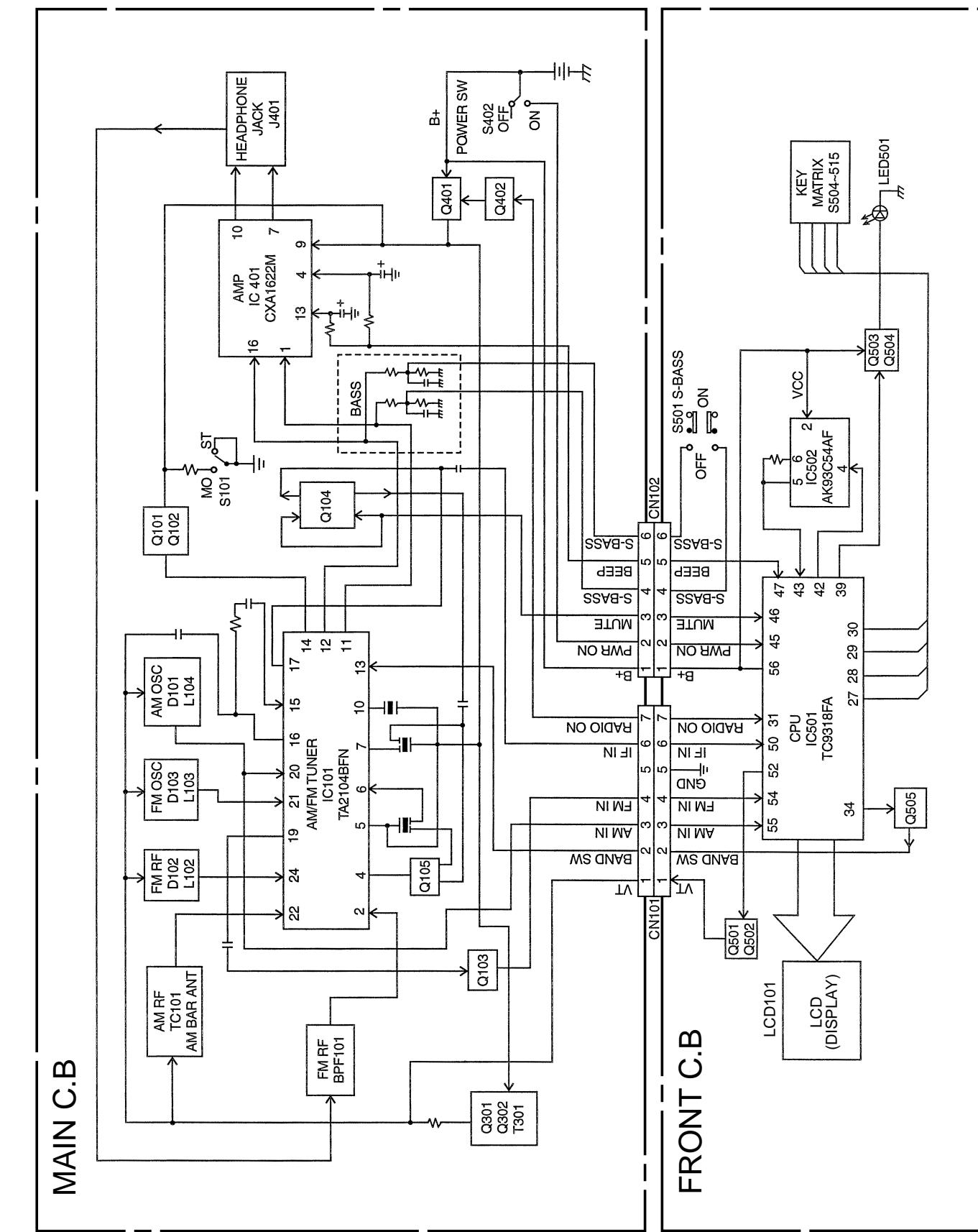
IC, TA2104BFN

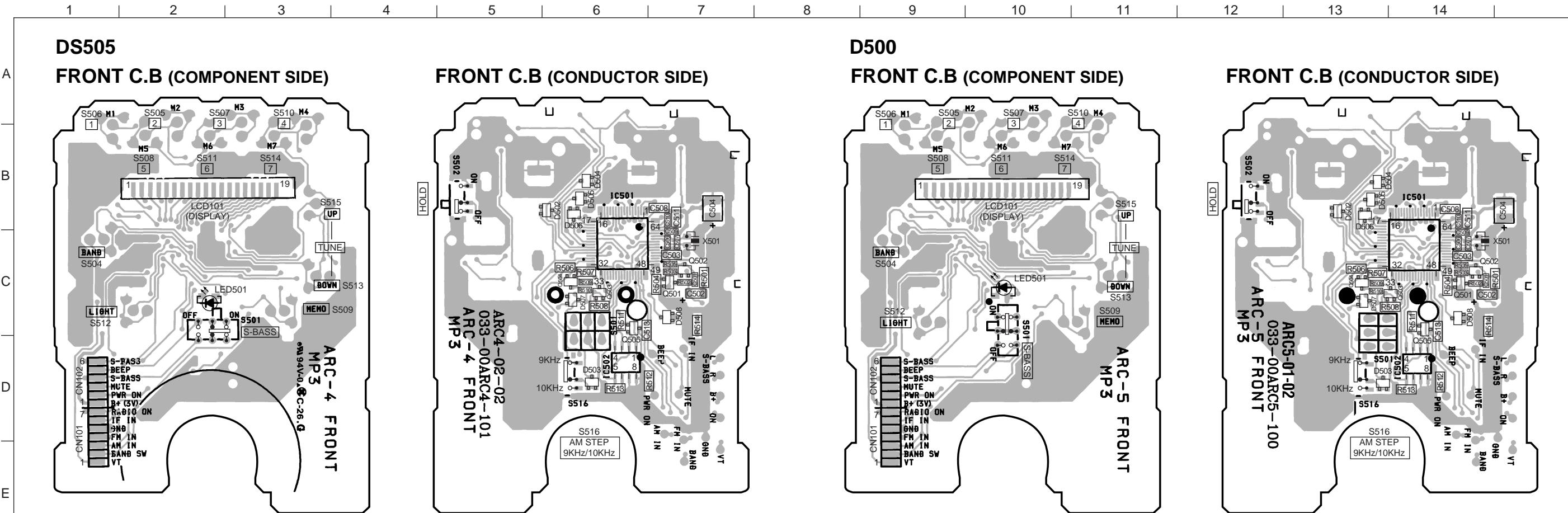


IC, CXA1622M

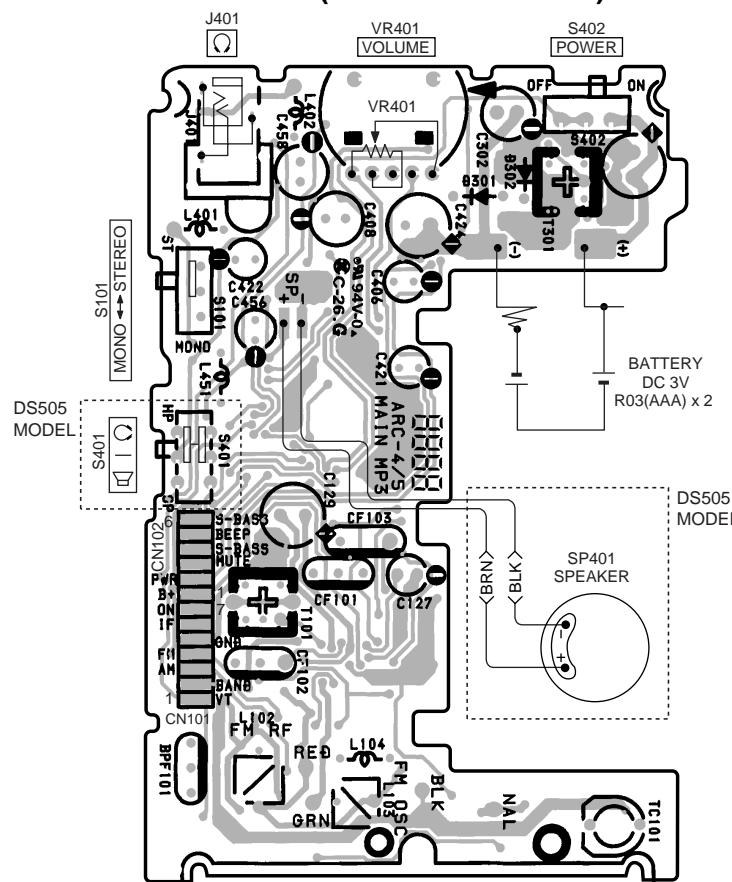


BLOCK DIAGRAM



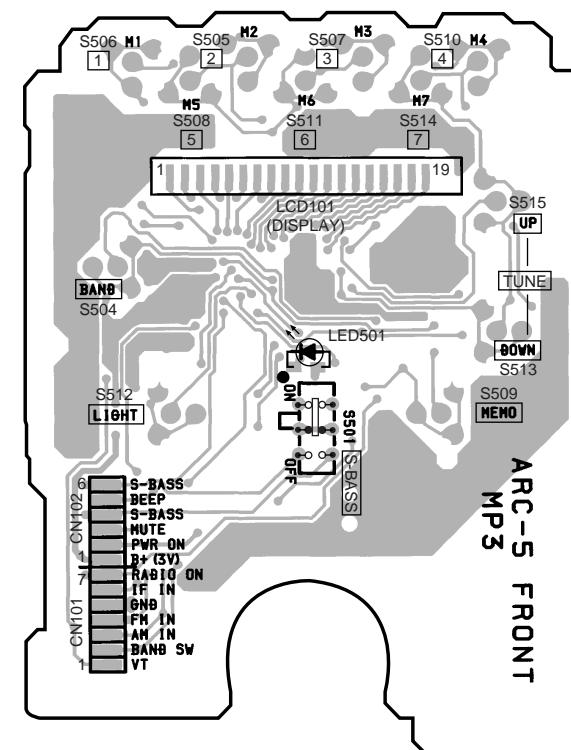


DS505/D500 MAIN C.B (COMPONENT SIDE)

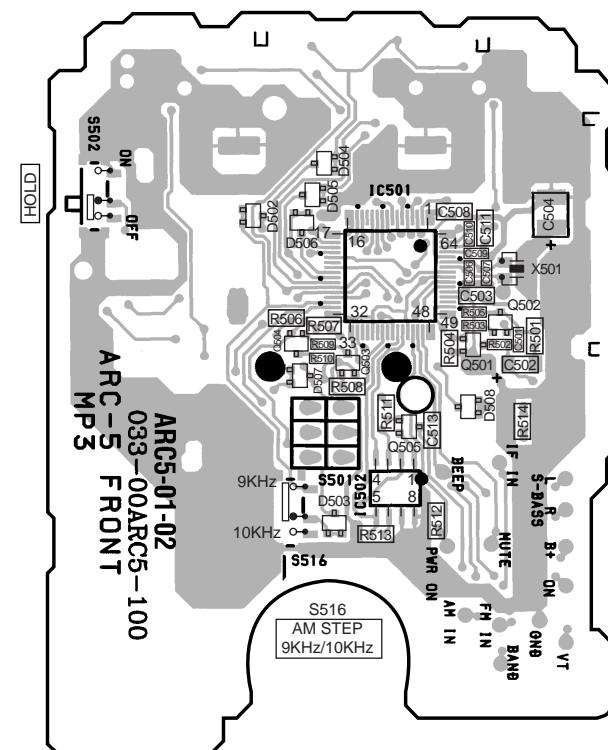


D500

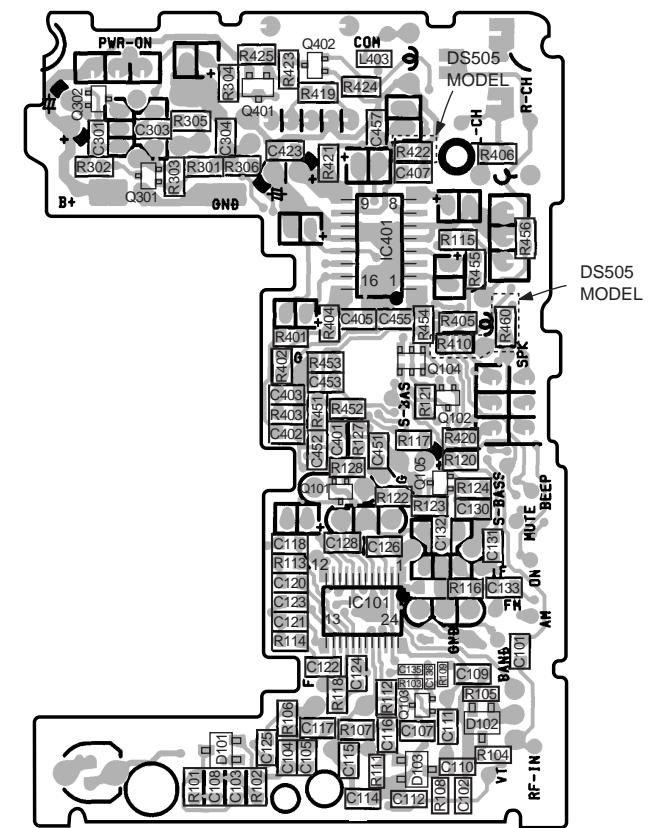
FRONT C.B (COMPONENT SIDE)



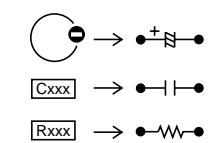
FRONT C.B (CONDUCTOR SIDE)



MAIN C.B (CONDUCTOR SIDE)

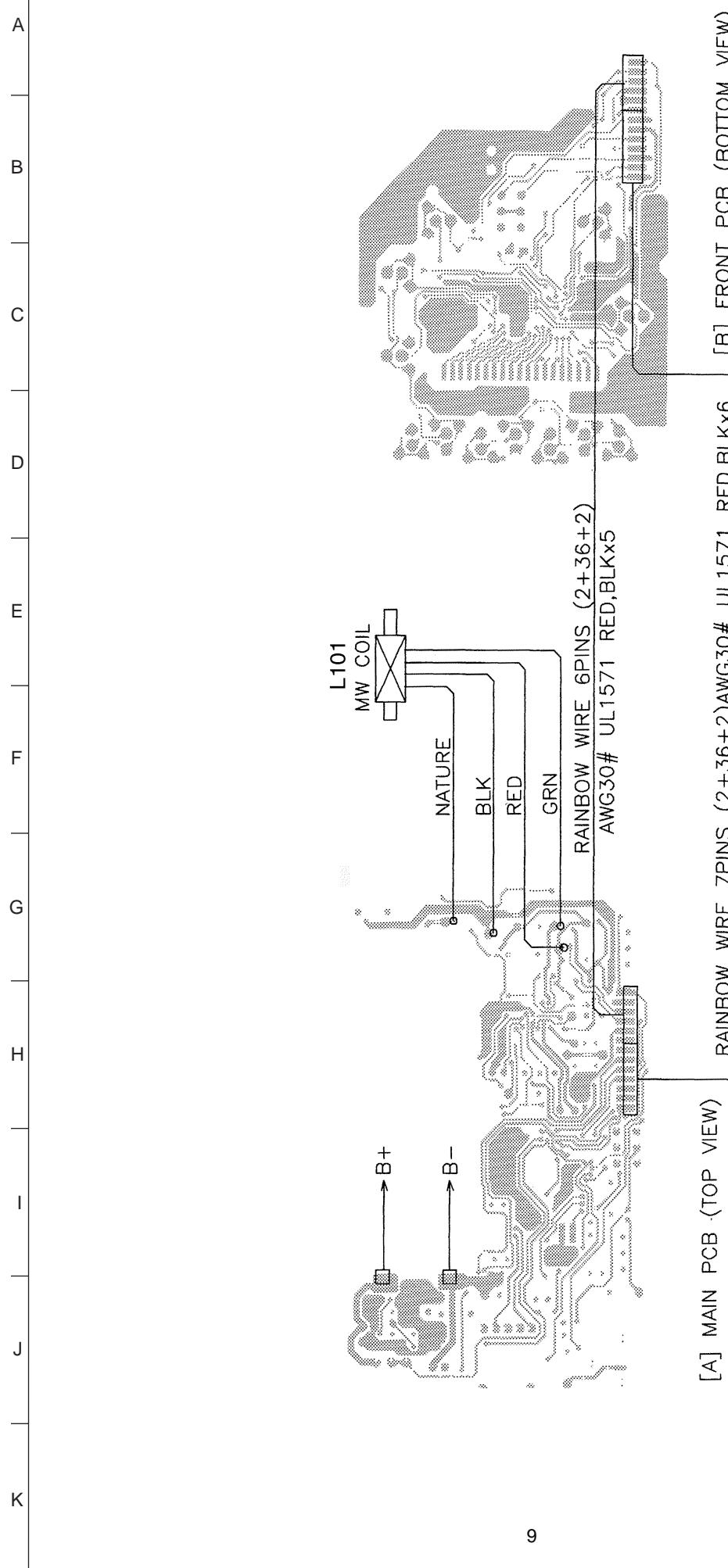


NOTE



WIRING-2 (MAIN/FRONT 2/2)

1 | 2 | 3 | 4 | 5 | 6 | 7

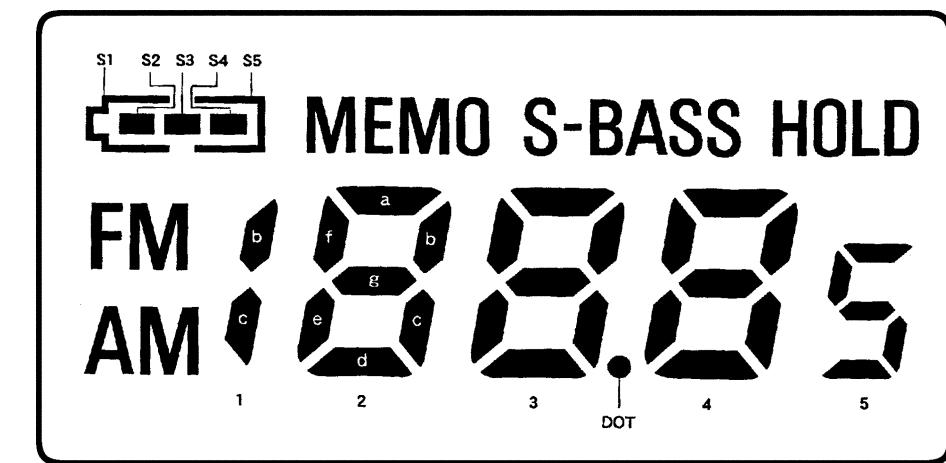


[B] FRONT PCB (BOTTOM VIEW)

[A] MAIN PCB (TOP VIEW) RAINBOW WIRE 7PINS (2+36+2) AWG30# UL1571 RED, BLKx6

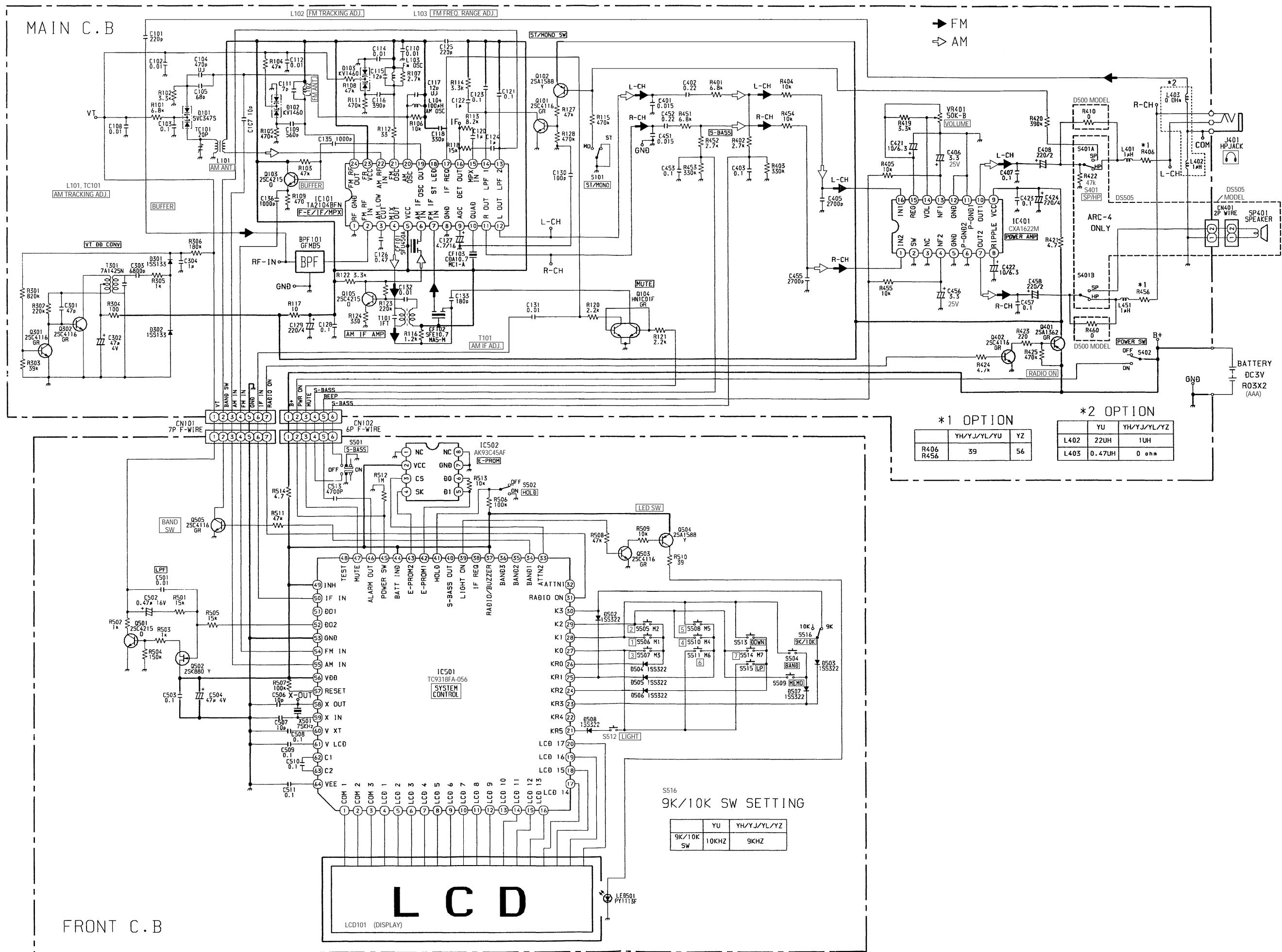
[B] FRONT PCB (BOTTOM VIEW)

LCD DISPLAY

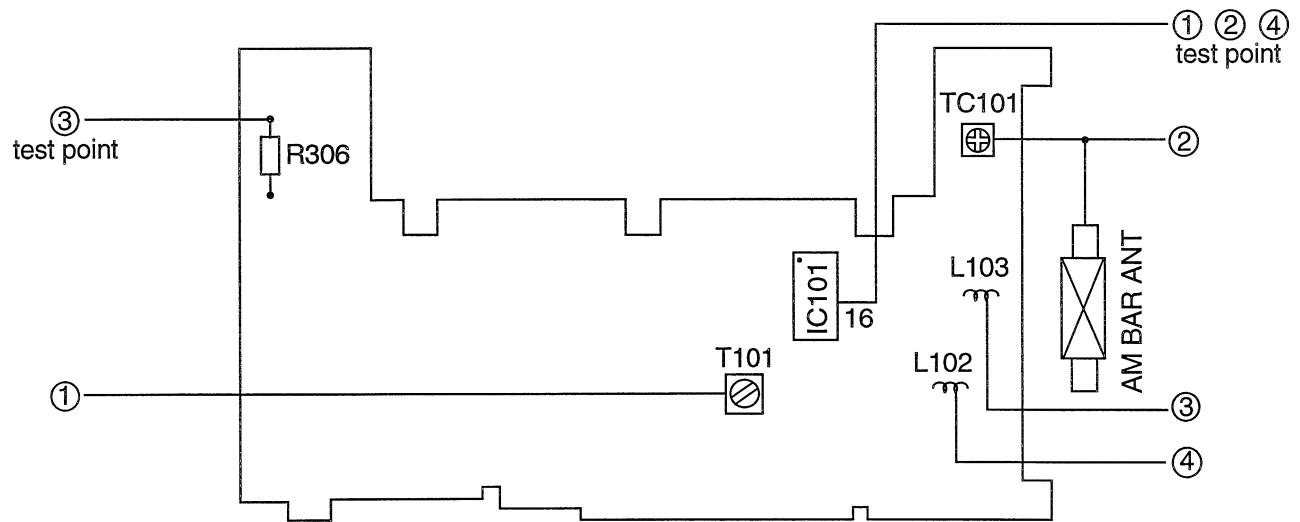


No	COM0	COM1	COM2
1	COM0	—	—
2	—	COM1	—
3	—	—	COM2
4	—	—	FM
5	—	AM	—
6	—	—	S1
7	—	—	S2
8	—	—	S3
9	1c	1b	S4
10	2e	2f	S5
11	2g	2a	MEMO
12	2d	2c	2b
13	3e	3f	3a
14	3d	3g	3b
15	—	DOT	3c
16	4d	4e	4f
17	4g	4a	HOLD
18	5	4c	4b
19	—	MHz	kHz

SCHEMATIC DIAGRAM



ELECTRICAL ADJUSTMENT



1. AM IF Adjustment

Test point: IC101(TA2104BFN) 16 PIN and GND

Adjustment location: T101

T101 ----- 450kHz

3. FM Frequency Range Adjustment

Test point: R306

Adjustment location: L103

Set the tuner frequency to be 87.5MHz

Adjust L103 so that the test point voltage is
2.3V $\pm 0.5V$

2. AM Tracking Adjustment

Test point: IC101(TA2104BFN) 16 PIN and GND

Adjustment location: TC101, AM BAR ANT(L101)

TC101 ----- 630kHz waveform max.

AM BAR ANT(L101) ----- 1440kHz waveform max.

4. FM Tracking Adjustment

Test point: IC101(TA2104BFN) 16 PIN and GND

Adjustment location: L102

L102 ----- 88MHz waveform max.

PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM SECTION >

Sensitivity: Less than 18dB (87.5MHz)
(THD 3%)

Less than 18dB (98.5MHz)

Less than 18dB (107.1MHz)

Distortion: Less than 2% (at 98.0MHz)

Intermediate frequency: 10.7MHz ± 0.15 MHz

Stereo separation: More than 20dB

< AM SECTION >

Sensitivity: Less than 55dB (at 630kHz)
(S/N 10dB)

Less than 52dB (at 1000kHz)

Less than 52dB (at 1440kHz)

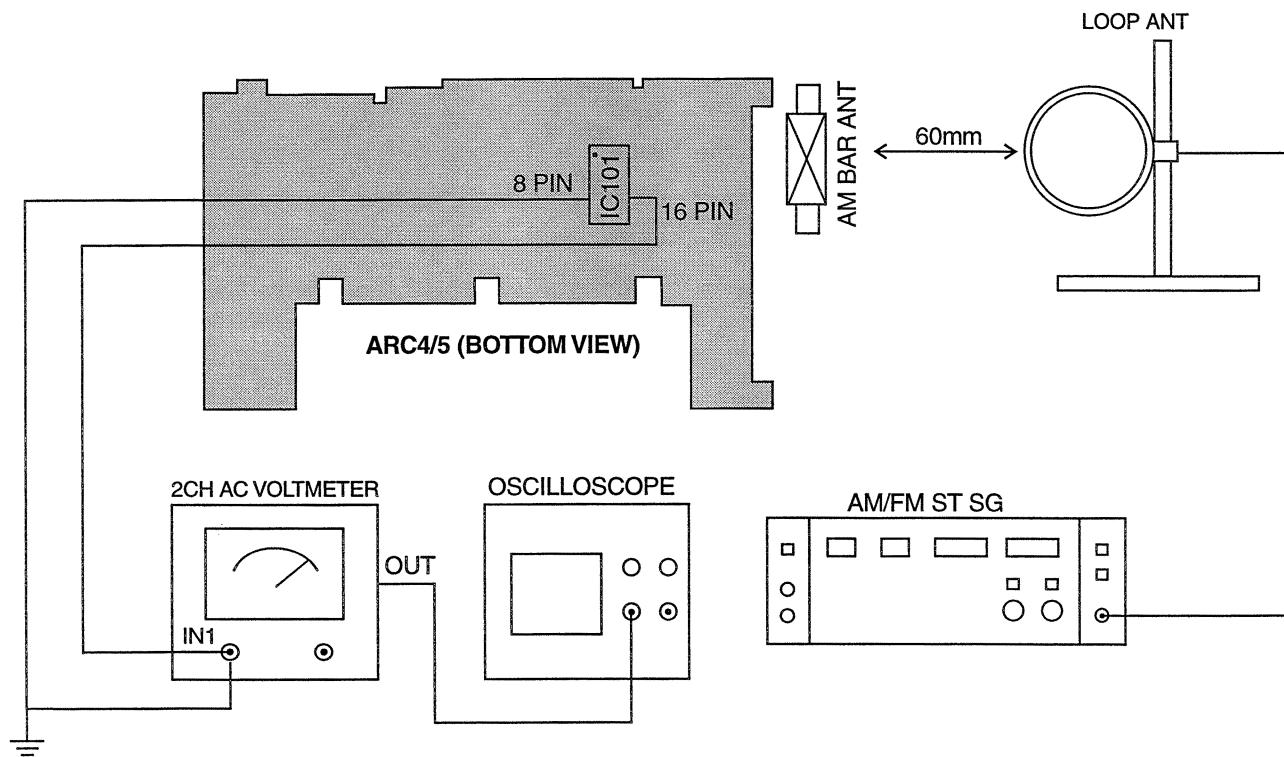
Distortion: Less than 3%

(Input 100dB)

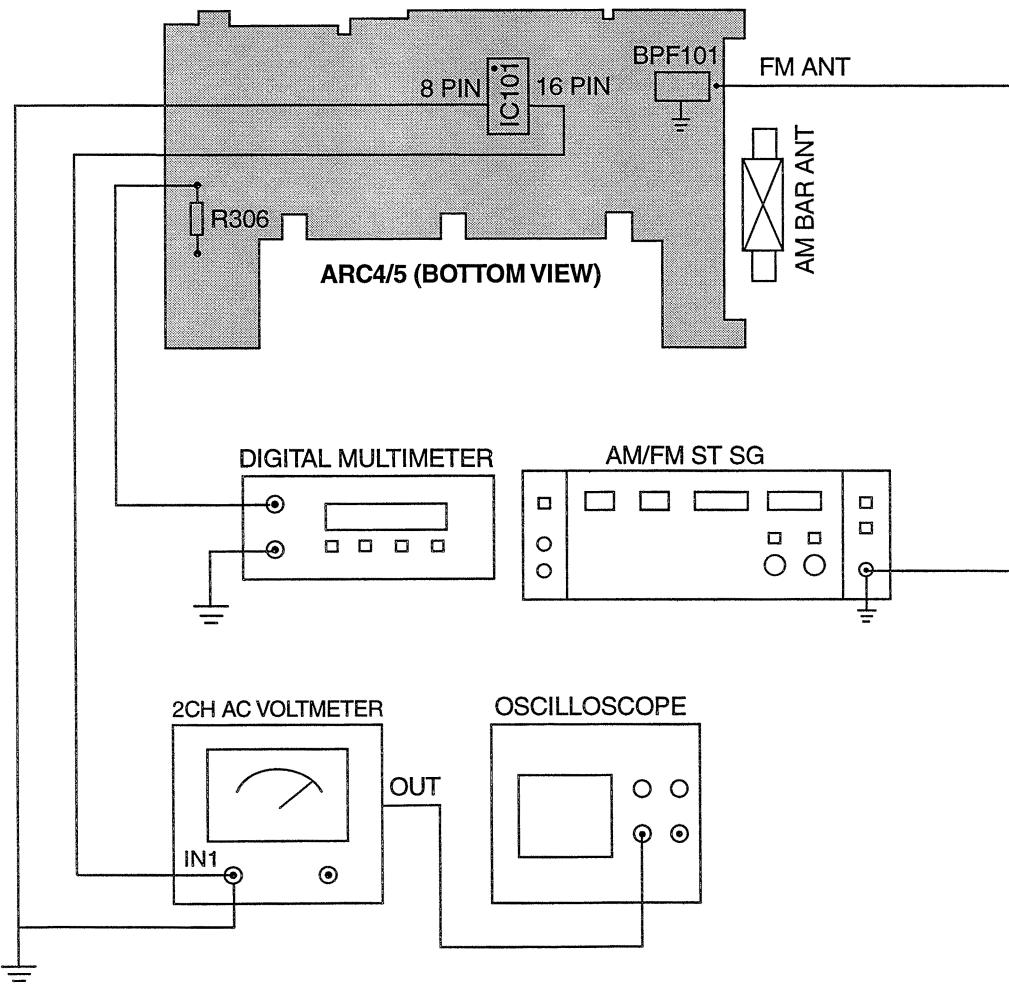
Intermediate frequency: 450kHz ± 2 kHz

EQUIPMENT CONNECTION DIAGRAMS

AM SECTION



FM SECTION



VOLTAGE CHART

THE MEASURED VALUE IS DC VOLTAGE

UNIT:V

TUNER SECTION

TEST CONDITION: SET AM/FM TUNER ON ONE FREQUENCY

IC101 (TA2104BFN)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	0	0.77	0	2.10	2.85	2.71	2.83	0	0.03	2.06	1.14	1.15
AM	0	0	1.00	2.77	2.88	2.20	2.88	0	0.18	2.78	1.14	1.12
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
FM	2	2.20	0.70	1.12	1.12	1.80	2.70	0.90	2.82	2.85	2.84	2.84
AM	0	0.70	0.70	1.00	1.20	1.50	2.70	2.88	2.80	2.88	2.88	2.88

TRANSISTOR	Q501(2SC4116)			Q502(2SK880)			Q505(2SC4116)		
	E	C	B	E	C	B	E	C	B
FM	0	3.40	0.55	0.59	0.28	2.69	0	1.96	0
AM	0	0.80	0.55	0.60	0.29	2.88	0	0.01	0.60

TRANSISTOR	Q301(2SC4116)			Q302(2SC4116)			Q103(2SC4215)			Q105(2SC4215)		
	E	C	B	E	C	B	E	C	B	E	C	B
AM	0	0.60	0.50	0	0	0.70	0	1.40	0.60	0.10	1.48	0.80

TRANSISTOR	Q503(2SC4116)			Q504(2SA1558)			
	POWER	E	C	B	E	C	B
FM	0	2.80	0	2.90	0	7.20	

POWER AMP SECTION

TEST CONDITION: TUNER ON

IC501 (TC9318FA)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
FM	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
FM	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.55	1.55	1.55	1.55	1.55
PIN'S NUMBER	25	26	27	28	29	30	31	32	33	34	35	36
FM	1.55	1.55	1.32	1.30	0.70	0.75	0.75	0	0	0	0	2.60
PIN'S NUMBER	37	38	39	40	41	42	43	44	45	46	47	48
FM	2.74	0	0	0	2.71	0	0	2.95	0.90	0	0	0
PIN'S NUMBER	49	50	51	52	53	54	55	56	57	58	59	60
FM	2.70	1.40	0	0.27	0	1.50	0	2.98	2.95	0.25	0.75	1.37
PIN'S NUMBER	61	62	63	64								
FM	3.00	0.74	2.25	1.50								

IC401 (CXA1622M)

PIN'S NUMBER	1	2	3	4	5	6	7	8
FM	0	0	0	1.45	0	0	1.47	2.70
PIN'S NUMBER	9	10	11	12	13	14	15	16
FM	2.92	1.47	0	0	1.45	1.27	1.28	0

IC502 (AK93045AF)

PIN'S NUMBER	1	2	3	4	5	6	7	8
FM	0	2.75	0	0	0	0	0	0

TRANSISTOR	Q401(2SA1362)			Q402(2SC4116)			Q102(2SA1588)			Q101(2SC4116)		
	E	C	B	E	C	B	E	C	B	E	C	B
FM	2.95	2.90	2.10	0	0.03	0.75	0.60	1.40	0.80	0	0	0.60

IC DESCRIPTION

IC, TC9318FA-056

Pin No.	Pin Name	I/O	Description
1	COM1	O	LCD COMMON.
2	COM2	O	LCD COMMON.
3	COM3	O	LCD COMMON.
4	LCD1	O	LCD SEGMENT.
5	LCD2	O	LCD SEGMENT.
6	LCD3	O	LCD SEGMENT.
7	LCD4	O	LCD SEGMENT.
8	LCD5	O	LCD SEGMENT.
9	LCD6	O	LCD SEGMENT.
10	LCD7	O	LCD SEGMENT.
11	LCD8	O	LCD SEGMENT.
12	LCD9	O	LCD SEGMENT.
13	LCD10	O	LCD SEGMENT.
14	LCD11	O	LCD SEGMENT.
15	LCD12	O	LCD SEGMENT.
16	LCD13	O	LCD SEGMENT.
17	LCD14	O	LCD SEGMENT.
18	LCD15	O	LCD SEGMENT.
19	LCD16	O	LCD SEGMENT.
20	LCD17	O	LCD SEGMENT.
21	KR5	O	KEY RETURN TIMING OUTPUT
22	KR4	O	KEY RETURN TIMING OUTPUT. (Not connected)
23	KR3	O	KEY RETURN TIMING OUTPUT.
24	KR2	O	KEY RETURN TIMING OUTPUT.
25	KR1	O	KEY RETURN TIMING OUTPUT.
26	KR0	O	KEY RETURN TIMING OUTPUT.
27	K0	I	KEY INPUT.
28	K1	I	KEY INPUT.
29	K2	I	KEY INPUT.
30	K3	I	KEY INPUT.
31	RADIO ON	O	RADIO FUNCTIONS, C WHEN ALARM OUTPUT, H OUTPUT.
32	ATTN1	O	WHEN ALARM OUTPUT H→H→L→L OUTPUT at 10sec. (Not connected)
33	ATTN2	O	WHEN ALARM OUTPUT H→L→H→L OUTPUT at 10sec.
34	BAND1	O	AM FUNCTIONS H OUTPUT.
35	BAND2	O	FM FUNCTIONS H OUTPUT. (Not connected)
36	BAND3	O	E: LW or J: TV or U: TV, WEATHER FUNCTIONS H OUTPUT. (Not connected)
37	RADIO/BUZZER	I	ALARM SELECTION H : RADIO ALARM L: BUZZER ALARM. (Connected to VDD)
38	IF REQ	O	DURING AUTO SCANNING H OUTPUT. (Not connected)
39	LIGHT ON	O	LIGHT KEY PUSHED H OUTPUT.
40	S-BASS OUT	O	S BASS KEY PUSHED H→L OUTPUT CIRIC. (Not connected)

Pin No.	Pin Name	I/O	Description
41	HOLD	I	L INPUT, KEYS HOLD.
42	E-PROM1	I/O	E-PROM INTERFACE.
43	E-PROM2	O	E-PROM INTERFACE.
44	BATT IND	I	A/D INPUT FOR BATTERY INDICATOR. (Connected to VDD)
45	POWER SW	I	H INPUT, RADIO ON.
46	ALARM OUT	O	ALARM1,ALARM2 OUTPUT.
47	MUTE	O	WHEN MUTE ON, H OUTPUT.
48	TEST	I	TEST PIN. (Not connected)
49	INH	I	L INPUT RADIO OFF.
50	IF IN	I	IF SIGNAL INPUT.
51	DO1	O	PLL OUTPUT. (Connected to VDD)
52	DO2	O	PLL OUTPUT.
53	GND	—	GND.
54	FM IN	I	FM OSC SIGNAL INPUT.
55	AM IN	I	AM OSC SIGNAL INPUT.
56	VDD	—	Power Supply Pin.
57	RESET	I	Input pin for system reset signals. (Pull up)
58	X OUT	O	Crystal oscillator output pin.
59	X IN	I	Crystal oscillator input pin.
60	V XT	I	Power supply for the crystal oscillator. (Pull down)
61	V LCD	I	Voltage doubler boosting pin for driving the LCD.
62	C1	O	
63	C2	O	
64	VEE	—	1.5V constant voltage supply pin for driving the LCD. (Pull down)

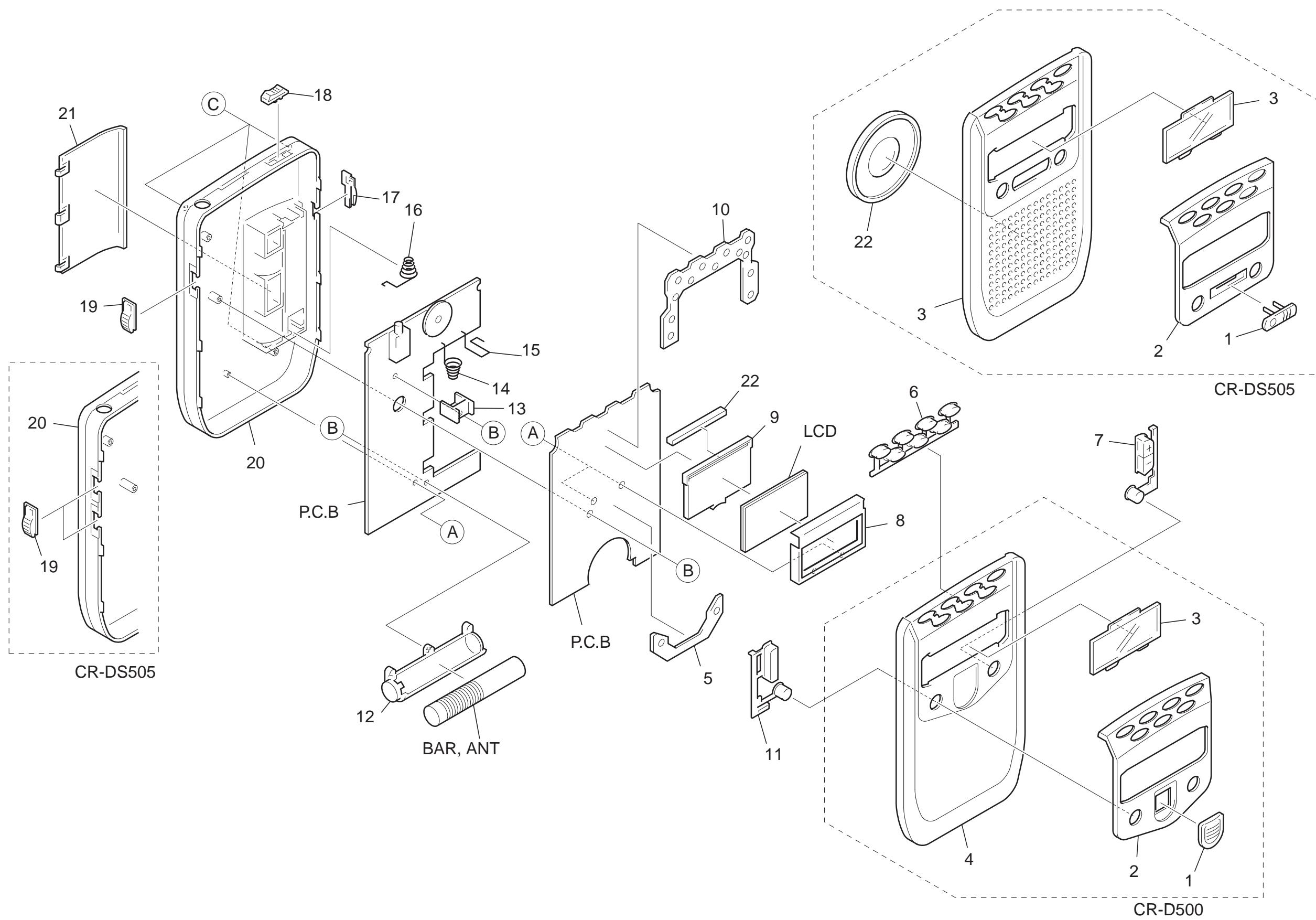
MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-RC4-011-010		KNOB,SL S-BASS <DS505YZ1(S),DS505YH1(S),DS505YJ1(S),DS505YL1(S)>	11	8A-RC4-006-010		BTN,BAND/LIGHT <DS505YZ1(S),DS505YH1(S),DS505YJ1(S),DS505YL1(S)>
1	8A-RC5-005-010		KNOB,SL S-BASS <D500YU(S),D500YZ1(S),D500YH1(S),D500YJ1(S),D500YL1(S)>	12	8A-RC4-202-010		HLDR,AM ANT
2	8A-RC4-003-010		PANEL, FRONT <DS505YZ1(S),DS505YH1(S),DS505YJ1(S),DS505YL1(S)>	13	8A-RC4-203-010		HLDR,JACK
2	8A-RC5-002-010		PANEL, FRONT <D500YU(S),D500YZ1(S),D500YH1(S),D500YJ1(S),D500YL1(S)>	14	8A-RC4-209-010		BAT-CONTACT,(-)
3	8A-RC4-012-010		WINDOW,LCD	15	8A-RC4-208-010		BAT-CONTACT,(+)
4	8A-RC5-001-010		CABI, FRONT <D500YU(S),D500YZ1(S),D500YH1(S),D500YJ1(S),D500YL1(S)>	16	8A-RC4-210-010		BAT-CONTACT,(+-)
4	8A-RC4-001-010		CABI, FRONT <DS505YZ1(S),DS505YH1(S),DS505YJ1(S),DS505YL1(S)>	17	8A-RC4-008-010		KNOB,SL HOLD
5	8A-RC4-205-010		HLDR, LIGHT/MEMO	18	8A-RC4-009-010		KNOB,SL POWER
6	8A-RC4-005-010		BTN,RESET	19	8A-RC4-010-010		KNOB,SL MO/ST
7	8A-RC5-004-010		BTN,TUNE/MEMO <D500YU(S),D500YZ1(S),D500YH1(S),D500YJ1(S),D500YL1(S)>	20	8A-RC4-002-010		CABI,REAR Y <DS505YH1(S),DS505YL1(S)>
7	8A-RC4-007-010		BTN,TUNE/MEMO <DS505YZ1(S),DS505YH1(S),DS505YJ1(S),DS505YL1(S)>	20	8A-RC5-006-010		CABI,REAR Y <D500YH1(S),D500YL1(S)>
8	8A-RC4-206-010		COVER, LCD	20	8A-RC5-009-010		CABI,REAR YJ<D500YJ1(S)>
9	8A-RC4-201-010		LENS,LCD	20	8A-RC4-014-010		CABI,REAR YJ<DS505YJ1(S)>
10	8A-RC4-204-010		HLDR,RESET	20	8A-RC5-007-010		CABI,REAR YU<D500YU(S)>
11	8A-RC5-003-010		BTN,BAND/LIGHT <D500YU(S),D500YZ1(S),D500YH1(S),D500YJ1(S),D500YL1(S)>	20	8A-RC5-008-010		CABI,REAR YZ<D500YZ1(S)>
				20	8A-RC4-013-010		CABI,REAR YZ<DS505YZ1(S)>
				21	8A-RC4-004-010		LID,BATT
				22	8A-RC4-211-010		CONN,RUBBER LCD
				A	87-067-746-010		S-SCREW,SERR+1.4-2
				B	87-352-509-310		VT2+1.4-4
				C	87-067-405-010		SCREW,1.4-6

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		



REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME	DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS	ADHESIVE	SHEET ADHESIVE
C-	CHIP	AZ	AZIMUTH
C-CAP	CAP, CHIP	BAR-ANT	BAR-ANTENNA
C-CAP TN	CAP, CHIP TANTALUM	BAT	BATTERY
C-COIL	COIL, CHIP	BATT	BATTERY
C-DI	DIODE, CHIP	BRG	BEARING
C-DIODE	DIODE, CHIP	BTN	BUTTON
C-FET	FET, CHIP	CAB	CABINET
C-FOTR	FILTER, CHIP	CASS	CASSETTE
C-JACK	JACK, CHIP	CHAS	CHASSIS
C-LED	LED, CHIP	CLR	COLLAR
C-RES	RES, CHIP	CONT	CONTROL
C-SFR	SFR, CHIP	CRSR	CURSOR
C-SLIDE SW	SLIDE SWITCH, CHIP	CU	CUSHION
C-SW	SWITCH, CHIP	CUSH	CUSHION
C-TR	TRANSISTOR, CHIP	DIR	DIRECTION
C-VR	VOLUME, CHIP	DUBB	DUBBING
C-ZENER	ZENER, CHIP	FL	FRONT LOADING
CAP, CER	CAP, CERA-SOL	FLY-WHL	FLYWHEEL
CAP, E	CAP, ELECT	FR	FRONT
CAP, M/F	CAP, FILM	FUN	FUNCTION
CAP, TC	CAP, CERA-SOL	G-CU	G-CUSHION
CAP, TC-U	CAP, CERA-SOL SS	HDL	HANDOL
CAP, TN	CAP, TANTALUM	HIMERON	CLOTH
CERA FIL	FILTER, CERAMIC	HINGE, BAT	HINGE, BATTERY
CF	FILTER, CERAMIC	HLDR	HOLDER
DL	DELAY LINE	HT-SINK	HEAT SINK
E/CAP	CAP, ELECT	IB	INSTRUCTION BOOKLET
FILT	FILTER	IDLE	IDLER
FLTR	FILTER	IND, L-R	INDICATOR, L-R
FUSE RES	RES, FUSE	KEY, CONT	KEY, CONTROL
MOT	MOTOR	KEY, PRGM	KEY, PROGRAM
P-DIODE	PHOTO DIODE	KNOB, SL	KNOB, SLIDE
P-SNSR	PHOTO SENSER	LBL	LABEL
P-TR	PHOTO TRANSISTOR	LID, BATT	LID, BATTERY
POLY VARI	VARIABLE CAPACITOR	LID, CASS	LID, CASSETTE
PPCAP	CAP, PP	LVR	LEVER
PT	POWER TRANSFORMER	P-SP	P-SPRING
PTR, RES	PTR, MELF	PANEL, CONT	PANEL, CONTROL
RC	REMOTE CONTROLLER	PANEL, FR	PANEL, FRONT
RES NF	RES, NON-FLAMMABLE	PRGM	PROGRAM
RESO	RESONATOR	PULLY, LOAD MO	PULLY, LOAD MOTOR
SHLD	SHIELD	RBN	RIBBON
SOL	SOLENOID	S-	SPECIAL
SPKR	SPEAKER	SEG	SEGMENT
SW, LVR	SWITCH, LEVER	SH	SHEET
SW, RTRY	SWITCH, ROTARY	SHLD-SH	SHIELD-SHEET
SW, SL	SWITCH, SLIDE	SL	SLIDE
TC CAP	CAP, CERA-SOL	SP	SPRING
THMS	THERMISTOR	SP-SCREW	SPECIAL-SCREW
TR	TRANSISTOR	SPACER, BAT	SPACER, BATTERY
TRIMMER	CAP, TRIMMER	SPR	SPRING
TUN-CAP	VARIABLE CAPACITOR	SPR-P	P-SPRING
VIB, CER	RESONATOR, CERAMIC	SPR-PC-PUSH	P-SPRING, C-PUSH
VIB, XTAL	RESONATOR, CRYSTAL	T-SP	T-SPRING
VR	VOLUME	TERM	TERMINAL
ZENER	DIODE, ZENER	TRIG	TRIGGER
		TUN	TUNING
		VOL	VOLUME
		W	WASHER
		WHL	WHEEL
		WORM-WHL	WORM-WHEEL

MECHANICAL SECTION

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 03(3827)3111 (代表)
AIWA CO., LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111